RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09 963 827D

Source: IFW16

Date Processed by STIC: 1/19/07

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IFW16

RAW SEQUENCE LISTING   DATE: 01/19/2007
PATENT APPLICATION: US/09/963,827D   TIME: 16:30:17

Input Set : A:\10815-105005 Sequence.txt
Output Set: N:\CRF4\01192007\I963827D.raw

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 3 <110> APPLICANT: Sullenger, Bruce
 4         Rusconi, Christopher
 6 <120> TITLE OF INVENTION: RNA Aptamers and Methods for Identifying Same
 8 <130> FILE REFERENCE: 10815-105005 (Reg001)
10 <140> CURRENT APPLICATION NUMBER: US 09/963,827D
11 <141> CURRENT FILING DATE: 2001-09-26
13 <150> PRIOR APPLICATION NUMBER: US 60/235,654
14 <151> PRIOR FILING DATE: 2000-09-26
16 <160> NUMBER OF SEQ ID NOS: 243
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 96
22 <212> TYPE: RNA
23 <213> ORGANISM: Artificial Sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: RNA aptamer
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34 <210> SEQ ID NO: 2
35 <211> LENGTH: 96
36 <212> TYPE: RNA
37 <213> ORGANISM: Artificial Sequence
39 <220> FEATURE:
40 <223> OTHER INFORMATION: RNA aptamer
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45 cacauaaccc agaggucgau aguacuggau cccccc                            96
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 96
50 <212> TYPE: RNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: RNA aptamer
56 <400> SEQUENCE: 3
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59 cucauaaccc agaggucgau aguacuggau cccccc                            96
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63 <211> LENGTH: 95
64 <212> TYPE: RNA
65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: RNA aptamer
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Input Set : A:\10815-105005 Sequence.txt
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70 <400> SEQUENCE: 4
71 gggagagagg aagagggaug ggcacuauac gcaucuugcu gccugcccgc gagucaaauu   60
73 gcauaaccca gaggucgaua guacuggauc ccccc   95
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 96
78 <212> TYPE: RNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: RNA aptamer
84 <400> SEQUENCE: 5
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87 accauaaccc agaggucgau aguacuggau cccccc   96
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 96
92 <212> TYPE: RNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: RNA aptamer
98 <400> SEQUENCE: 6
99 gggagagagg aagagggaug ggcgauaacc aacaugguga ucccauucau cauacccuac   60
101 aacauaaccc agaggucgau aguacuggau cccccc   96
104 <210> SEQ ID NO: 7
105 <211> LENGTH: 96
106 <212> TYPE: RNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: RNA aptamer
112 <400> SEQUENCE: 7
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115 cacauaaccc agaggucgau aguacuggau cccccc   96
118 <210> SEQ ID NO: 8
119 <211> LENGTH: 95
120 <212> TYPE: RNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: RNA aptamer
126 <400> SEQUENCE: 8
127 gggagagagg aagagggaug ggucucacac ccgaagaugg ccaaagaggg agaugaguuu   60
129 ccauaaccca gaggucgaua guacuggauc ccccc   95
132 <210> SEQ ID NO: 9
133 <211> LENGTH: 96
134 <212> TYPE: RNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: RNA aptamer
140 <400> SEQUENCE: 9
141 gggagagagg aagagggaug ggacuauauu cggaaucugg acucccaccu gccugcccca   60
143 gacauaaccc agaggucgau aguacuggau cccccc   96
146 <210> SEQ ID NO: 10

RAW SEQUENCE LISTING   DATE: 01/19/2007
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147 <211> LENGTH: 96
148 <212> TYPE: RNA
149 <213> ORGANISM: Artificial Sequence
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152 <223> OTHER INFORMATION: RNA aptamer
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157 agcauaaccc agaggucgau aguacuggau cccccc                              96
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161 <211> LENGTH: 96
162 <212> TYPE: RNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Oligonucleotide
169 <220> FEATURE:
170 <221> NAME/KEY: misc_feature
171 <222> LOCATION: (1)..(96)
172 <223> OTHER INFORMATION: "n" = g, c, u or a
174 <400> SEQUENCE: 11
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183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: RNA aptamer
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191 gcauaacccca gaggucgaua guacuggauc ccccc                             95
194 <210> SEQ ID NO: 13
195 <211> LENGTH: 96
196 <212> TYPE: RNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: RNA aptamer
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205 uccauaaccc agaggucgau aguacuggau cccccc                              96
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209 <211> LENGTH: 96
210 <212> TYPE: RNA
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: RNA aptamer
216 <400> SEQUENCE: 14
217 gggagagagg aagagggaug ggaccauacg cacauugcug aauccccuc aauagcaccu    60
219 accauaaccc agaggucgau aguacuggau cccccc                              96
222 <210> SEQ ID NO: 15
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223 <211> LENGTH: 96
224 <212> TYPE: RNA
225 <213> ORGANISM: Artificial Sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: RNA aptamer
231 <220> FEATURE:
232 <221> NAME/KEY: misc_feature
233 <222> LOCATION: (54)..(54)
234 <223> OTHER INFORMATION: "n" = c or u
236 <400> SEQUENCE: 15
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245 <213> ORGANISM: Artificial Sequence
247 <220> FEATURE:
248 <223> OTHER INFORMATION: RNA aptamer
250 <400> SEQUENCE: 16
251 gggagagagg aagagggaug ggaccauaac gacuacucgu gaaucccacc aucagcgcac     60
253 aacauaaccc agaggucgau aguacuggau cccccc                              96
256 <210> SEQ ID NO: 17
257 <211> LENGTH: 96
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259 <213> ORGANISM: Artificial Sequence
261 <220> FEATURE:
262 <223> OTHER INFORMATION: RNA aptamer
264 <400> SEQUENCE: 17
265 gggagagagg aagagggaug gggacuauac cggcaaucgu gcauccccug gaccuaacaa     60
267 uacauaaccc agaggucgau aguacuggau cccccc                              96
270 <210> SEQ ID NO: 18
271 <211> LENGTH: 96
272 <212> TYPE: RNA
273 <213> ORGANISM: Artificial Sequence
275 <220> FEATURE:
276 <223> OTHER INFORMATION: RNA aptamer
278 <400> SEQUENCE: 18
279 gggagagagg aagagggaug ggaacaccau uaaugcucgg ccagguaacc ccggcgcaua     60
281 cucauaaccc agaggucgau aguacuggau cccccc                              96
284 <210> SEQ ID NO: 19
285 <211> LENGTH: 94
286 <212> TYPE: RNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: RNA aptamer
292 <400> SEQUENCE: 19
293 gggagagagg aagagggaug ggaccauaa cucuaacggg ugaaucccgc aucucgacaa     60
295 uacauaaccc agaggucgau aguacuggau cccc                                94
298 <210> SEQ ID NO: 20
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299 <211> LENGTH: 95
300 <212> TYPE: RNA
301 <213> ORGANISM: Artificial Sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: RNA aptamer
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309 acauaaccca gaggucgaua guacuggauc ccccc                                95
312 <210> SEQ ID NO: 21
313 <211> LENGTH: 96
314 <212> TYPE: RNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: RNA aptamer
320 <400> SEQUENCE: 21
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323 uacauaaccc agaggucgau aguacuggau ccccc                                96
326 <210> SEQ ID NO: 22
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328 <212> TYPE: RNA
329 <213> ORGANISM: Artificial Sequence
331 <220> FEATURE:
332 <223> OTHER INFORMATION: RNA aptamer
334 <400> SEQUENCE: 22
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337 ccauaaccca gaggucgaua guacuggauc ccccc                                95
340 <210> SEQ ID NO: 23
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342 <212> TYPE: RNA
343 <213> ORGANISM: Artificial Sequence
345 <220> FEATURE:
346 <223> OTHER INFORMATION: RNA aptamer
348 <400> SEQUENCE: 23
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354 <210> SEQ ID NO: 24
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356 <212> TYPE: RNA
357 <213> ORGANISM: Artificial Sequence
359 <220> FEATURE:
360 <223> OTHER INFORMATION: RNA aptamer
362 <400> SEQUENCE: 24
363 gggagagagg aagagggaug ggccagaagg aacuaaacac cugaaccccc caucgcgaga      60
365 gaccauaacc cagaggucga uaguacugga uccccccc                              97
368 <210> SEQ ID NO: 25
369 <211> LENGTH: 92
370 <212> TYPE: RNA
371 <213> ORGANISM: Artificial Sequence
373 <220> FEATURE:
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 01/19/2007
PATENT APPLICATION: US/09/963,827D   TIME: 16:30:18

Input Set : A:\10815-105005 Sequence.txt
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Please Note:
**Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.**

Seq#:11; N Pos. 54,56
Seq#:15; N Pos. 54
Seq#:25; N Pos. 46
Seq#:106; N Pos. 12,13
Seq#:120; N Pos. 1,11,21,38
Seq#:125; N Pos. 3,11,35
Seq#:134; N Pos. 9,19,24,29,36
Seq#:140; N Pos. 18,36,40,43
Seq#:220; N Pos. 37,38,39

VERIFICATION SUMMARY   DATE: 01/19/2007
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            Input Set : A:\10815-105005 Sequence.txt
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L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:237 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:1411 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:0
L:1585 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:0
L:1651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:0
L:1765 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:0
L:1843 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:0
L:2809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:0